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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 3 NOV 26 MARPAT enhanced with FSORT command  
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
NEWS 7 DEC 12 GBFULL now offers single source for full-text  
coverage of complete UK patent families  
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS  
NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data  
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added  
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE  
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING  
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE  
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced  
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced  
NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS  
patent records provide insights into related prior  
art  
NEWS 17 FEB 19 Increase the precision of your patent queries -- use  
terms from the IPC Thesaurus, Version 2009.01  
NEWS 18 FEB 23 Several formats for image display and print options  
discontinued in USPATFULL and USPAT2  
NEWS 19 FEB 23 MEDLINE now offers more precise author group fields  
and 2009 MeSH terms  
NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more  
precise author group fields and 2009 MeSH terms  
NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into  
STN patent clusters  
NEWS 22 FEB 25 USGENE enhanced with patent family and legal status  
display data from INPADOCDB  
NEWS 23 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display  
formats  
NEWS 24 MAR 11 EPFULL backfile enhanced with additional full-text  
applications and grants  
NEWS 25 MAR 11 ESBIOBASE reloaded and enhanced  
NEWS 26 MAR 20 CAS databases on STN enhanced with new super role  
for nanomaterial substances

S/N 10/575,731

NEWS 27 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 02:11:43 ON 30 MAR 2009

=> set abbr on perm  
SET COMMAND COMPLETED

=> set plurals on perm  
SET COMMAND COMPLETED

=> file inpadoc caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'INPADOCDB' ENTERED AT 02:12:18 ON 30 MAR 2009  
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FILE 'CAPLUS' ENTERED AT 02:12:18 ON 30 MAR 2009  
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=> s su 409723/pn  
L1 2 SU 409723/PN

=> d ll 1-2 all

L1 ANSWER 1 OF 2 INPADOCDB COPYRIGHT 2009 EPO/FIZ KA on STN

AN 41866053 INPADOCDB  
FN 29046302  
DT Patent  
PI SU 409723 A1 19740105  
PIT SUA1 DESCRIPTION OF THE INVENTION FOR AN INVENTOR'S CERTIFICATE  
DAV 19740105 printed-with-grant  
STA GRANTED  
AI SU 1971-1626567 A 19710224  
AIT SUA Patent application  
PRAI SU 1971-1626567 A 19710224 (SUA, Y)

S/N 10/575,731

PRAIT SUA Patent application

ICM B01D0057-00

IPCR B01D0057-00 [I,A]

B01D0057-00 [I,C\*]

FA AI; AN; DAV; DT; ICM; IPC; IPCR; PI; PIT; PRAI

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1974:526387 CAPLUS

DN 81:126387

OREF 81:19945a,19948a

ED Entered STN: 12 May 1984

TI Purification of gases from microimpurities

IN Shvachkin, Yu. A.; Konstandi, B. V.; Zakharov, V. D.

PA Sterlitamak Experimental-Industrial Plant for Production of Isoprene Rubber

SO U.S.S.R.

From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1974, 51(1), 17.

CODEN: URXXAF

DT Patent

LA Russian

IC B01D

CC 59-2 (Air Pollution and Industrial Hygiene)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 409723	A1	19740105	SU 1971-1626567	19710224 <--
PRAI	SU 1971-1626567	A	19710224		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
SU 409723	IC	B01D
	IPCI	B01D0057-00
	IPCR	B01D0053-34 [I,C*]; B01D0053-34 [I,A]; B01D0053-02 [I,C*]; B01D0053-02 [I,A]; B01D0053-82 [I,C*]; B01D0053-82 [I,A]; B01D0057-00 [I,C*]; B01D0057-00 [I,A]

AB Vapors of H2O, O, H2S, arsine, and phosphine are removed from gases by contact with organometallic compds. on an inert porous carrier. This purification is more efficient and less hazardous.

ST organometal gas purifn; arsine removal gas organometallic; phosphine removal gas organometallic; water removal gas organometallic; oxygen removal gas organometallic

IT Waste gases

(treatment of, organometallic compds. in)

IT Organometallic compounds

RL: OCCU (Occurrence)

(waste gas treatment by)

IT 7732-18-5 7782-44-7, uses and miscellaneous 7783-06-4, uses and miscellaneous 7784-42-1 7803-51-2

RL: REM (Removal or disposal); PROC (Process)

(removal of, from waste gas by organometallic compds.)

=> FIL SINGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.38

9.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

S/N 10/575,731

CA SUBSCRIBER PRICE

-0.82

-0.82

FILE 'STNGUIDE' ENTERED AT 02:13:23 ON 30 MAR 2009  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Mar 27, 2009 (20090327/UP).

=> file uspatall caplus japio

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.70

10.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.82

FILE 'USPATFULL' ENTERED AT 02:19:07 ON 30 MAR 2009  
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 02:19:07 ON 30 MAR 2009  
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 02:19:07 ON 30 MAR 2009  
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 02:19:07 ON 30 MAR 2009  
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FILE 'JAPIO' ENTERED AT 02:19:07 ON 30 MAR 2009  
COPYRIGHT (C) 2009 Japanese Patent Office (JPO)- JAPIO

=> s (alkyl?(3a)(aluminum or zinc or lithium or magnesium or calcium or boron or tin))(s)(angle(2a)repose#)  
L2 5 (ALKYL?(3A)(ALUMINUM OR ZINC OR LITHIUM OR MAGNESIUM OR CALCIUM OR BORON OR TIN))(S)(ANGLE(2A) REPOSE#)

=> d 12 1-5 ibib abs

L2 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2007:272601 USPATFULL

TITLE: Gels, gel composites, and gel articles

INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070238835	A1	20071011
APPLICATION INFO.:	US 2007-810584	A1	20070605 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2007-787257, filed on 12 Apr 2007, PENDING Continuation-in-part of Ser. No. US 2004-912464, filed on 4 Aug 2004, GRANTED, Pat. No. US 7226484 Continuation-in-part of Ser. No. US 2003-613567, filed on 2 Jul 2003, GRANTED, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420489, filed on 21 Apr 2003, GRANTED, Pat. No. US 7222380 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, GRANTED, Pat. No. US		

7193002 Continuation-in-part of Ser. No. US  
 2003-420488, filed on 21 Apr 2003, GRANTED, Pat. No. US  
 7134929 Continuation-in-part of Ser. No. US  
 2003-420490, filed on 21 Apr 2003, GRANTED, Pat. No. US  
 7105607 Continuation-in-part of Ser. No. US  
 2003-420491, filed on 21 Apr 2003, GRANTED, Pat. No. US  
 7093599 Continuation-in-part of Ser. No. US  
 2003-420492, filed on 21 Apr 2003, PENDING  
 Continuation-in-part of Ser. No. US 2003-420493, filed  
 on 21 Apr 2003, GRANTED, Pat. No. US 7067583  
 Continuation-in-part of Ser. No. US 2004-896047, filed  
 on 22 Jul 2004, PENDING Continuation-in-part of Ser.  
 No. US 2002-273828, filed on 17 Oct 2002, GRANTED, Pat.  
 No. US 6909220 Continuation-in-part of Ser. No. US  
 2002-334542, filed on 31 Dec 2002, GRANTED, Pat. No. US  
 7159259 Continuation-in-part of Ser. No. US  
 2002-299073, filed on 18 Nov 2002, ABANDONED  
 Continuation-in-part of Ser. No. US 2002-199364, filed  
 on 20 Jul 2002, GRANTED, Pat. No. US 6794440  
 Continuation-in-part of Ser. No. US 2002-199361, filed  
 on 20 Jul 2002, GRANTED, Pat. No. US 7134236  
 Continuation-in-part of Ser. No. US 2002-199362, filed  
 on 20 Jul 2002, GRANTED, Pat. No. US 7208184  
 Continuation-in-part of Ser. No. US 2002-199363, filed  
 on 20 Jul 2002, GRANTED, Pat. No. US 7108873  
 Continuation-in-part of Ser. No. US 2000-721213, filed  
 on 21 Nov 2000, GRANTED, Pat. No. US 6867253  
 Continuation-in-part of Ser. No. US 1998-130545, filed  
 on 8 Aug 1998, GRANTED, Pat. No. US 6627275  
 Continuation-in-part of Ser. No. US 1999-230940, filed  
 on 3 Feb 1999, GRANTED, Pat. No. US 6161555  
 Continuation-in-part of Ser. No. US 1997-863794, filed  
 on 27 May 1997, GRANTED, Pat. No. US 6117176

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2003-204428	20030731
	WO 1994-US4278	19940419
	WO 1994-US7314	19940627
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John Y. Chen, Applied Elastomerics, Inc., 163 W. Harris Avenue, South San Francisco, CA, 94080, US	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	22 Drawing Page(s)	
LINE COUNT:	5757	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	A tear and fatigue resistant gels, gel composites, and gel articles including collapsible articles having two or more communicating internal volumes like cavities when depressed by external pressure or force is capable of collapsing unto itself in a controllable and directionally preselected manner by venting static air within said internal through openings in said gel article, said gel article is made from gel compositions with one or more waxes and one or more selected plasticizers having rigidity of from about 20 gram Bloom to about 1,800 gram Bloom suitable for cushioning and other uses.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2007:225848 USPATFULL

TITLE: Collapsible gel articles

INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070197949	A1	20070823
APPLICATION INFO.:	US 2007-787257	A1	20070412 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-912464,		filed on 4 Aug 2004, GRANTED, Pat. No. US 7226484
	Continuation-in-part of Ser. No. US 2003-613567,		filed on 2 Jul 2003, GRANTED, Pat. No. US 7093316
	Continuation-in-part of Ser. No. US 2003-420489,		filed on 21 Apr 2003, GRANTED, Pat. No. US 7222380
	Continuation-in-part of Ser. No. US 2003-420487,		filed on 21 Apr 2003, GRANTED, Pat. No. US 7193002
	Continuation-in-part of Ser. No. US 2003-420488,		filed on 21 Apr 2003, GRANTED, Pat. No. US 7134929
	Continuation-in-part of Ser. No. US 2003-420490,		filed on 21 Apr 2003, GRANTED, Pat. No. US 7105607
	Continuation-in-part of Ser. No. US 2003-420491,		filed on 21 Apr 2003, GRANTED, Pat. No. US 7093599
	Continuation-in-part of Ser. No. US 2003-420492,		filed on 21 Apr 2003, PENDING Continuation-in-part of Ser.
	No. US 2003-420493, filed on 21 Apr 2003, GRANTED, Pat.		No. US 7067583 Continuation-in-part of Ser. No. US
	2004-896047, filed on 22 Jul 2004, PENDING		Continuation-in-part of Ser. No. US 2002-273828, filed
	on 17 Oct 2002, GRANTED, Pat. No. US 6909220		Continuation-in-part of Ser. No. US 2002-334542, filed
	on 31 Dec 2002, GRANTED, Pat. No. US 7159259		Continuation-in-part of Ser. No. US 2002-299073, filed
	on 18 Nov 2002, ABANDONED Continuation-in-part of Ser.		No. US 2002-199364, filed on 20 Jul 2002, GRANTED, Pat.
	No. US 6794440 Continuation-in-part of Ser. No. US		2002-199361, filed on 20 Jul 2002, GRANTED, Pat. No. US
	7134236 Continuation-in-part of Ser. No. US		2002-199362, filed on 20 Jul 2002, GRANTED, Pat. No. US
	7208184 Continuation-in-part of Ser. No. US		2002-199363, filed on 20 Jul 2002, GRANTED, Pat. No. US
	7108873 Continuation-in-part of Ser. No. US		2000-721213, filed on 21 Nov 2000, GRANTED, Pat. No. US
	6867253 Continuation-in-part of Ser. No. US		1998-130545, filed on 8 Aug 1998, GRANTED, Pat. No. US
	6627275 Continuation-in-part of Ser. No. US		1999-230940, filed on 3 Feb 1999, GRANTED, Pat. No. US
	6161555 Continuation-in-part of Ser. No. US		1997-863794, filed on 27 May 1997, GRANTED, Pat. No. US
	6117176		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Applied Elastomerics, Inc., 163 W. Harris Avenue, South		San Francisco, CA, 94080, US
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	22 Drawing Page(s)		
LINE COUNT:	3929		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A tear and fatigue resistant gel article comprising two or more		

communicating internal volumes like cavities when depressed by external pressure or force is capable of collapsing unto itself in a controllable and directionally preselected manner by venting static air within said internal through openings in said gel article, said gel article is made from gel compositions having rigidity of from about 20 gram Bloom to about 1,800 gram Bloom suitable for cushioning and other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2005:65233 USPATFULL

TITLE: Tear resistant, crystalline midblock copolymer gels and articles

INVENTOR(S): Chen, John Y., Pacifica, CA, United States

PATENT ASSIGNEE(S): Applied Elastomerics, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6867253	B1	20050315
APPLICATION INFO.:	US 2000-721213		20001121 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, now abandoned Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, now patented, Pat. No. US 6420475 Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, now patented, Pat. No. US 6627275 Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, now patented, Pat. No. US 6324703 Continuation-in-part of Ser. No. WO 1997-US17534, filed on 30 Sep 1997 Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Jul 1997, now patented, Pat. No. US 6050871 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, now patented, Pat. No. US 6117176 Continuation-in-part of Ser. No. US 1996-719817, filed on 30 Sep 1996, now patented, Pat. No. US 6148830 Continuation-in-part of Ser. No. US 1996-665343, filed on 17 Jun 1996 Continuation-in-part of Ser. No. US 1996-612586, filed on 8 Mar 1996, now patented, Pat. No. US 6552109 Continuation-in-part of Ser. No. US 1995-581191, filed on 29 Dec 1995, now patented, Pat. No. US 5760117 Continuation-in-part of Ser. No. US 1995-581188, filed on 29 Dec 1995, now abandoned Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, now patented, Pat. No. US 5962572 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, now patented, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, now patented, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994 Continuation-in-part of Ser. No. US 288690 Continuation-in-part of Ser. No. WO US9407314 Continuation-in-part of Ser. No. WO US9404278 Continuation-in-part of Ser. No. US 288690 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO		

US9404278  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: Harlan, Robert D.  
 NUMBER OF CLAIMS: 17  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 48 Drawing Figure(s); 10 Drawing Page(s)  
 LINE COUNT: 3765  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel gels and articles are formed from one or more multiblock copolymers having at least one block segment of poly(ethylene) and selected amounts of one or more low viscosity plasticizers, said gels having an amount of crystallinity, glassy components, selected amounts of plasticizers, with or without other additives sufficient to achieve improvements in one or more physical properties including improved crack propagation resistance, improved tea resistance, improved resistance to fatigue and resistance to catastrophic failure not obtainable in amorphous gels and exceptionally lower and/or no tack.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 5 USPAFULL on STN

ACCESSION NUMBER: 2005:10537 USPAFULL  
 TITLE: Tear resistant gels and articles for every uses  
 INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050008669	A1	20050113
	US 7226484	B2	20070605
APPLICATION INFO.:	US 2004-912464	A1	20040804 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, GRANTED, Pat. No. US 6117176		
	Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Aug 1997, GRANTED, Pat. No. US 6050871		
	Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, GRANTED, Pat. No. US 6324703		
	Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, GRANTED, Pat. No. US 6627275		
	Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, GRANTED, Pat. No. US 6420475		
	Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, ABANDONED		
	Continuation-in-part of Ser. No. US 1999-412886, filed on 5 Oct 1999, ABANDONED		
	Continuation-in-part of Ser. No. US 2000-517230, filed on 2 Mar 2000, ABANDONED		
	Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, PENDING		
	Continuation-in-part of Ser. No. US 2001-896047, filed on 30 Jun 2001, PENDING		
	Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, GRANTED, Pat. No. US 6794440		
	Continuation-in-part of Ser. No. US 2002-273828, filed on 17 Oct 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, PENDING		
	Continuation-in-part of Ser.		



No. US 2003-420089, filed on 22 Apr 2003, PENDING  
 Continuation-in-part of Ser. No. US 2003-420487, filed  
 on 21 Apr 2003, PENDING Continuation-in-part of Ser.  
 No. US 2003-420488, filed on 21 Apr 2003, PENDING  
 Continuation-in-part of Ser. No. US 2003-420490, filed  
 on 21 Apr 2003, PENDING Continuation-in-part of Ser.  
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 on 21 Apr 2003, PENDING Continuation-in-part of Ser.  
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 Continuation-in-part of Ser. No. US 2003-613567, filed  
 on 2 Jul 2003, PENDING Continuation-in-part of Ser. No.  
 US 2003-675509, filed on 30 Sep 2003, PENDING  
 Continuation-in-part of Ser. No. US 2003-746196, filed  
 on 25 Dec 2003, PENDING Continuation-in-part of Ser.  
 No. WO 1997-US17534, filed on 30 Sep 1997, PENDING  
 Continuation-in-part of Ser. No. US 1996-719817, filed  
 on 30 Sep 1996, GRANTED, Pat. No. US 6148830  
 Continuation-in-part of Ser. No. US 1996-665343, filed  
 on 17 Jun 1996, PENDING Continuation-in-part of Ser.  
 No. US 1996-612586, filed on 8 Mar 1996, GRANTED, Pat.  
 No. US 6552109 Continuation-in-part of Ser. No. WO  
 1994-US4278, filed on 19 Apr 1994, PENDING  
 Continuation-in-part of Ser. No. WO 1994-US7314, filed  
 on 27 Jun 1994, PENDING Continuation-in-part of Ser.  
 No. US 1994-288690, filed on 11 Aug 1994, GRANTED, Pat.  
 No. US 5633286 Continuation-in-part of Ser. No. US  
 1995-581188, filed on 29 Dec 1995, ABANDONED  
 Continuation-in-part of Ser. No. US 1995-581191, filed  
 on 29 Dec 1995, GRANTED, Pat. No. US 5760117  
 Continuation-in-part of Ser. No. US 1995-581125, filed  
 on 29 Dec 1995, GRANTED, Pat. No. US 5962572

## DOCUMENT TYPE:

Utility

## FILE SEGMENT:

APPLICATION

## LEGAL REPRESENTATIVE:

Applied Elastomerics, Inc., 163 W. Harris Avenue, South  
 San Francisco, CA, 94080

## NUMBER OF CLAIMS:

20

## EXEMPLARY CLAIM:

1

## NUMBER OF DRAWINGS:

6 Drawing Page(s)

## LINE COUNT:

4980

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

## AB

Soft, tear resistant gel, gel composites and gel articles for various  
 uses formed from one or a mixture of two or more block copolymers with  
 or without one or more selected other polymers and additives in  
 combination with one or more selected plasticizers being in sufficient  
 amounts to achieve a gel rigidity of from about 20 gram Bloom to about  
 1,800 gram Bloom.

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

## L2 ANSWER 5 OF 5 USPAT2 on STN

## ACCESSION NUMBER:

2005:10537 USPAT2

## TITLE:

Tear resistant gels and articles for every uses

## INVENTOR(S):

Chen, John Y., Hillsborough, CA, UNITED STATES

## PATENT ASSIGNEE(S):

Applied Elastomerics, Inc., South San Francisco, CA,  
 UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7226484	B2	20070605

APPLICATION INFO.:  
RELATED APPLN. INFO.:

US 2004-912464 20040804 (10)  
Continuation-in-part of Ser. No. US 2003-746196, filed on 25 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-675509, filed on 30 Sep 2003, PENDING Continuation-in-part of Ser. No. US 2003-613567, filed on 2 Jul 2003, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420488, filed on 21 Apr 2003, Pat. No. US 7134929 Continuation-in-part of Ser. No. US 2003-420489, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420490, filed on 21 Apr 2003, Pat. No. US 7105607 Continuation-in-part of Ser. No. US 2003-420491, filed on 21 Apr 2003, Pat. No. US 7093599 Continuation-in-part of Ser. No. US 2003-420492, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420493, filed on 21 Apr 2003, Pat. No. US 7067583 Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, Pat. No. US 7159259 Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, ABANDONED Continuation-in-part of Ser. No. US 2002-273828, filed on 17 Oct 2002, Pat. No. US 6909220 Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, Pat. No. US 7134236 Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, PENDING Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, Pat. No. US 7108873 Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, Pat. No. US 6794440 Continuation-in-part of Ser. No. US 2001-896047, filed on 30 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, Pat. No. US 6867253 Continuation-in-part of Ser. No. US 2000-517230, filed on 2 Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-412886, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-412887, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, Pat. No. US 6420475 Continuation-in-part of Ser. No. US 1999-230940, filed on 3 Feb 1999, Pat. No. US 6161555 Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, Pat. No. US 6324703 Continuation-in-part of Ser. No. US 1997-954424, filed on 20 Oct 1997, Pat. No. US 6333374 Continuation-in-part of Ser. No. WO 1997-US17534, filed on 30 Sep 1997, PENDING Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Aug 1997, Pat. No. US 6050871 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, Pat. No. US 6117176 Continuation-in-part of Ser. No. US 1996-719817, filed on 30 Sep 1996, Pat. No. US 6148830 Continuation-in-part of Ser. No. US 1996-665343, filed on 17 Jun 1996, PENDING Continuation-in-part of Ser. No. US 1996-612586, filed on 8 Mar 1996, Pat. No. US 6552109 Continuation-in-part of Ser. No. US 1995-581188, filed on 29 Dec 1995, ABANDONED Continuation-in-part of Ser. No. US 1995-581191, filed on 29 Dec 1995, Pat. No. US 5760117

Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, Pat. No. US 5962572  
 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, Pat. No. US 5633286  
 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994, PENDING Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994, PENDING  
 Continuation-in-part of Ser. No. US 1993-130545, filed on 1 Oct 1993, Pat. No. US 5467626

DOCUMENT TYPE: Utility  
 FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: Lilling, Herbert J.  
 NUMBER OF CLAIMS: 6  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 55 Drawing Figure(s); 6 Drawing Page(s)  
 LINE COUNT: 4820  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Soft, tear resistant gel, gel composites and gel articles for various uses formed from one or a mixture of two or more block copolymers with or without one or more selected other polymers and additives in combination with one or more selected plasticizers being in sufficient amounts to achieve a gel rigidity of from about 20 gram Bloom to about 1,800 gram Bloom.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L2 ANSWER 5 OF 5 USPAT2 on STN  
 ACCESSION NUMBER: 2005:10537 USPAT2  
 TITLE: Tear resistant gels and articles for every uses  
 INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES  
 PATENT ASSIGNEE(S): Applied Elastomerics, Inc., South San Francisco, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7226484	B2	20070605
APPLICATION INFO.:	US 2004-912464		20040804 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-746196,		filed on 25 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-675509, filed on 30 Sep 2003, PENDING
	Continuation-in-part of Ser. No. US 2003-613567,		filed on 2 Jul 2003, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420488, filed on 21 Apr 2003, Pat. No. US 7134929
	Continuation-in-part of Ser. No. US 2003-420489,		filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420490, filed on 21 Apr 2003, Pat. No. US 7105607
	Continuation-in-part of Ser. No. US 2003-420491,		filed on 21 Apr 2003, Pat. No. US 7093599
	Continuation-in-part of Ser. No. US 2003-420492,		filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420493, filed on 21 Apr 2003, Pat. No. US 7067583
	Continuation-in-part of Ser. No. US 2002-334542,		filed on 31 Dec 2002, Pat. No. US 7159259
	Continuation-in-part of Ser. No. US 2002-299073,		filed on 18 Nov 2002, ABANDONED Continuation-in-part of Ser.

No. US 2002-273828, filed on 17 Oct 2002, Pat. No. US 6909220 Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, Pat. No. US 7134236 Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, PENDING Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, Pat. No. US 7108873 Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, Pat. No. US 6794440 Continuation-in-part of Ser. No. US 2001-896047, filed on 30 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, Pat. No. US 6867253 Continuation-in-part of Ser. No. US 2000-517230, filed on 2 Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-412886, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-412887, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, Pat. No. US 6420475 Continuation-in-part of Ser. No. US 1999-230940, filed on 3 Feb 1999, Pat. No. US 6161555 Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, Pat. No. US 6324703 Continuation-in-part of Ser. No. US 1997-954424, filed on 20 Oct 1997, Pat. No. US 6333374 Continuation-in-part of Ser. No. WO 1997-US17534, filed on 30 Sep 1997, PENDING Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Aug 1997, Pat. No. US 6050871 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, Pat. No. US 6117176 Continuation-in-part of Ser. No. US 1996-719817, filed on 30 Sep 1996, Pat. No. US 6148830 Continuation-in-part of Ser. No. US 1996-665343, filed on 17 Jun 1996, PENDING Continuation-in-part of Ser. No. US 1996-612586, filed on 8 Mar 1996, Pat. No. US 6552109 Continuation-in-part of Ser. No. US 1995-581188, filed on 29 Dec 1995, ABANDONED Continuation-in-part of Ser. No. US 1995-581191, filed on 29 Dec 1995, Pat. No. US 5760117 Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, Pat. No. US 5962572 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994, PENDING Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994, PENDING Continuation-in-part of Ser. No. US 1993-130545, filed on 1 Oct 1993, Pat. No. US 5467626

## DOCUMENT TYPE:

Utility

## FILE SEGMENT:

GRANTED

## PRIMARY EXAMINER:

Lilling, Herbert J.

## NUMBER OF CLAIMS:

6

## EXEMPLARY CLAIM:

1

## NUMBER OF DRAWINGS:

55 Drawing Figure(s); 6 Drawing Page(s)

## LINE COUNT:

4820

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD The limiting value of  $\mu$  o slashed. for which  $\mu = \tan \theta$  is true is call the angle of repose. Measurement of the tangent of this angle will give the coefficient of friction of the contacting surfaces of the block and the board that slide one upon the

other. As an example of low COF agents advantageously useful in soft thermoplastic elastomers and gels, excellent results is achieved with 50 grams of a polyphenolic with sterically hindered phenolic hydroxyl groups (Irganox 1010), about 100 grams of one or more nucleating agents (such as very fine particle size sodium benzoate, dibenzylidene sorbitol, its alkylated derivatives, talc, zinc stearate, amorphous silica, aluminum stearate, etc.) and 5,000 grams of S-EB-S and 25,000 gram of oil. The same excellent result is achieved when S-EB-S is adjusted to 3,000 grams, 4,000 grams, etc. The same result is achieved with copolymers as well as in combination with other polymers. Moreover, when about 50 grams of tetrakis[methylene 3, -(3'5'-di-tertbutyl-4" hydroxyphenyl) propionate] methane is use (per about 22.68 Kilograms or 50 lbs of gel) as a low COF agent, tack is completely removed from the surface of the gel after two to three weeks of blooming.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
42.58	52.88

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.82

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 02:22:11 ON 30 MAR 2009